

ABSTRACT OF THE DISCLOSURE

An apparatus and method for estimating phase information, including a matched filter that outputs converted synchronization signals, based on received data, and converted information of the received data; a phase estimator, having a plurality of averagers, that outputs the phase information based on the received data, a code generated from a code generator, and the converted synchronization signals outputted from the matched filter; and a CPU that inputs the converted synchronization signals outputted from the matched filter into the plurality of averagers and initializes the averagers.